

# Lamin interA/Ctors: from the premature to senescence

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## Stellingen

behorende bij het proefschrift:

### **Lamin interA/Ctors: From the premature to senescence**

1. Een deletie van 50 aminozuren in de lamine A-mutant progerine leidt *in vivo* niet alleen tot verlies, maar ook tot toename van specifieke eiwit-interacties. (dit proefschrift)
2. Verstoorde chromatine-organisatie in het Hutchinson-Gilford Progeria Syndroom wordt onder andere gekenmerkt door veranderde lamina/chromatine-associaties. (dit proefschrift)
3. Afname van Rbbp4 en Rbbp7 eiwit levels treedt op tijdens normale en premature veroudering, en veroorzaakt verouderings karakteristieke chromatine defecten en DNA schade. (dit proefschrift)
4. De expressie van A-type lamines is cruciaal voor de vroege postnatale ontwikkeling van hart, skeletspier en adipocyten. (dit proefschrift)
5. Godsdienst en wetenschap hebben een gemeenschappelijke voorvader: onwetendheid. - Richard Dawkins –
6. Progeria is de enige ziekte waarvan genezing de potentie heeft ons niet te laten sterven aan hoge ouderdom.
7. Moleculaire biologie en promoveren worden beide gekenmerkt door veel interacties met regulatoren.
8. De verleiding om premature theorieën te baseren op onvoldoende data is evenzeer verboden als noodzakelijk om goede wetenschap te bedrijven.  
-Bewerkt naar Sherlock Holmes-
9. Als je iemand bént, hoef je niets te lijken.
10. Zelfverzekerdheid is het durven tonen van je onzekerheden.
11. Langdurig wetenschappelijk presteren vergt een optimale balans tussen het doen van onderzoek en er afstand van nemen. Meer wetenschappelijk onderzoek is nodig om mijn optimum te vinden.

## Propositions

belonging to the thesis:

### **Lamin interA/Ctors: From the premature to senescence**

1. A fifty amino acid deletion in the lamin A-mutant progerin not only results in loss, but also in gain of specific protein-interactions *in vivo*. (this thesis)
2. Disrupted chromatin-organization in Hutchinson-Gilford Progeria Syndrome is partially typified by changes in lamina/chromatin-associations. (this thesis)
3. A decrease of Rbbp4 and Rbbp7 protein levels occurs during normal and premature ageing, and causes ageing characteristic chromatin defects and DNA damage. (this thesis)
4. Gene expression of A-type lamins is crucial for early postnatal development of the heart, skeletal muscle and adipocytes. (this thesis)
5. Religion and science have a common ancestor: ignorance. - Richard Dawkins -
6. Progeria is the only disease for which a cure has the potency to not make us die of longevity.
7. Molecular biology and a PhD are both about a lot of interactions with regulators.
8. The temptation to form premature theories upon insufficient data is prohibited as much as required to do good science. -Adapted from Sherlock Holmes-
9. If you are somebody, there is no need to pretend.
10. Self-confidence is daring to show your insecurities.
11. Sustained scientific achievements require an optimal balance between doing research and distance oneself from it. More scientific work is needed to find my optimum.